

RAW SEQUENCE LISTING

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Application Serial Number: 10/509,055
Source: PG/10
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RAW SEQUENCE LISTING

DATE: 06/10/2005

PATENT APPLICATION: US/10/509,055

TIME: 10:10:21

Input Set : A:\2005-04-25 1422-0644PUS1.ST25.txt

Output Set: N:\CRF4\06102005\J509055.raw

3 <110> APPLICANT: SAGAWA, Hiroaki et al.
 5 <120> TITLE OF INVENTION: PROCESS FOR PRODUCING CYTOTOXIC LYMPHOCYTE
 7 <130> FILE REFERENCE: 1422-0644PUS1
 9 <140> CURRENT APPLICATION NUMBER: US 10/509,055
 10 <141> CURRENT FILING DATE: 2004-09-24
 12 <150> PRIOR APPLICATION NUMBER: PCT/JP03/03575
 13 <151> PRIOR FILING DATE: 2003-03-25
 15 <160> NUMBER OF SEQ ID NOS: 24
 17 <170> SOFTWARE: Patent-In 3.3
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 87
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Artificial Sequence
 24 <220> FEATURE:
 25 <223> OTHER INFORMATION: partial region of fibronectin named III-8
 27 <400> SEQUENCE: 1
 28 Pro Thr Asp Leu Arg Phe Thr Asn Ile Gly Pro Asp Thr Met Arg
 29 1 5 10 15
 30 Val Thr Trp Ala Pro Pro Pro Ser Ile Asp Leu Thr Asn Phe Leu
 31 20 25 30
 32 Val Arg Tyr Ser Pro Val Lys Asn Glu Glu Asp Val Ala Glu Leu
 33 35 40 45
 34 Ser Ile Ser Pro Ser Asp Asn Ala Val Val Leu Thr Asn Leu Leu
 35 50 55 60
 36 Pro Gly Thr Glu Tyr Val Val Ser Val Ser Ser Val Tyr Glu Gln
 37 65 70 75
 38 His Glu Ser Thr Pro Leu Arg Gly Arg Gln Lys Thr
 39 80 85
 41 <210> SEQ ID NO: 2
 42 <211> LENGTH: 90
 43 <212> TYPE: PRT
 44 <213> ORGANISM: Artificial Sequence
 46 <220> FEATURE:
 47 <223> OTHER INFORMATION: partial region of fibronectin named III-9
 49 <400> SEQUENCE: 2
 50 Gly Leu Asp Ser Pro Thr Gly Ile Asp Phe Ser Asp Ile Thr Ala
 51 1 5 10 15
 52 Asn Ser Phe Thr Val His Trp Ile Ala Pro Arg Ala Thr Ile Thr
 53 20 25 30
 54 Gly Tyr Arg Ile Arg His His Pro Glu His Phe Ser Gly Arg Pro
 55 35 40 45
 56 Arg Glu Asp Arg Val Pro His Ser Arg Asn Ser Ile Thr Leu Thr
 57 50 55 60

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58 Asn Leu Thr Pro Gly Thr Glu Tyr Val Val Ser Ile Val Ala Leu
59           65           70           75
60 Asn Gly Arg Glu Glu Ser Pro Leu Leu Ile Gly Gln Gln Ser Thr
61           80           85           90
63 <210> SEQ ID NO: 3
64 <211> LENGTH: 94
65 <212> TYPE: PRT
66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: partial region of fibronectin named III-10
71 <400> SEQUENCE: 3
72 Val Ser Asp Val Pro Arg Asp Leu Glu Val Val Ala Ala Thr Pro
73   1           5           10           15
74 Thr Ser Leu Leu Ile Ser Trp Asp Ala Pro Ala Val Thr Val Arg
75           20           25           30
76 Tyr Tyr Arg Ile Thr Tyr Gly Glu Thr Gly Gly Asn Ser Pro Val
77           35           40           45
78 Gln Glu Phe Thr Val Pro Gly Ser Lys Ser Thr Ala Thr Ile Ser
79           50           55           60
80 Gly Leu Lys Pro Gly Val Asp Tyr Thr Ile Thr Val Tyr Ala Val
81           65           70           75
82 Thr Gly Arg Gly Asp Ser Pro Ala Ser Ser Lys Pro Ile Ser Ile
83           80           85           90
84 Asn Tyr Arg Thr
86 <210> SEQ ID NO: 4
87 <211> LENGTH: 92
88 <212> TYPE: PRT
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: partial region of fibronectin named III-12
94 <400> SEQUENCE: 4
95 Ala Ile Pro Ala Pro Thr Asp Leu Lys Phe Thr Gln Val Thr Pro
96   1           5           10           15
97 Thr Ser Leu Ser Ala Gln Trp Thr Pro Pro Asn Val Gln Leu Thr
98           20           25           30
99 Gly Tyr Arg Val Arg Val Thr Pro Lys Glu Lys Thr Gly Pro Met
100          35           40           45
101 Lys Glu Ile Asn Leu Ala Pro Asp Ser Ser Ser Val Val Val Ser
102          50           55           60
103 Gly Leu Met Val Ala Thr Lys Tyr Glu Val Ser Val Tyr Ala Leu
104          65           70           75
105 Lys Asp Thr Leu Thr Ser Arg Pro Ala Gln Gly Val Val Thr Thr
106          80           85           90
107 Leu Glu
110 <210> SEQ ID NO: 5
111 <211> LENGTH: 89
112 <212> TYPE: PRT
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:

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116 <223> OTHER INFORMATION: partial region of fibronectin named III-13

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119 Asn Val Ser Pro Pro Arg Arg Ala Arg Val Thr Asp Ala Thr Glu

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121 Thr Thr Ile Thr Ile Ser Trp Arg Thr Lys Thr Glu Thr Ile Thr

122 20 25 30

123 Gly Phe Gln Val Asp Ala Val Pro Ala Asn Gly Gln Thr Pro Ile

124 35 40 45

125 Gln Arg Thr Ile Lys Pro Asp Val Arg Ser Tyr Thr Ile Thr Gly

126 50 55 60

127 Leu Gln Pro Gly Thr Asp Tyr Lys Ile Tyr Leu Tyr Thr Leu Asn

128 65 70 75

129 Asp Asn Ala Arg Ser Ser Pro Val Val Ile Asp Ala Ser Thr

130 80 85

132 <210> SEQ ID NO: 6

133 <211> LENGTH: 90

134 <212> TYPE: PRT

135 <213> ORGANISM: Artificial Sequence

137 <220> FEATURE:

138 <223> OTHER INFORMATION: partial region of fibronectin named III-14

140 <400> SEQUENCE: 6

141 Ala Ile Asp Ala Pro Ser Asn Leu Arg Phe Leu Ala Thr Thr Pro

142 1 5 10 15

143 Asn Ser Leu Leu Val Ser Trp Gln Pro Pro Arg Ala Arg Ile Thr

144 20 25 30

145 Gly Tyr Ile Ile Lys Tyr Glu Lys Pro Gly Ser Pro Pro Arg Glu

146 35 40 45

147 Val Val Pro Arg Pro Arg Pro Gly Val Thr Glu Ala Thr Ile Thr

148 50 55 60

149 Gly Leu Glu Pro Gly Thr Glu Tyr Thr Ile Tyr Val Ile Ala Leu

150 65 70 75

151 Lys Asn Asn Gln Lys Ser Glu Pro Leu Ile Gly Arg Lys Lys Thr

152 80 85 90

154 <210> SEQ ID NO: 7

155 <211> LENGTH: 25

156 <212> TYPE: PRT

157 <213> ORGANISM: Artificial Sequence

159 <220> FEATURE:

160 <223> OTHER INFORMATION: partial region of fibronectin named CS-1

162 <400> SEQUENCE: 7

163 Asp Glu Leu Pro Gln Leu Val Thr Leu Pro His Pro Asn Leu His

164 1 5 10 15

165 Gly Pro Glu Ile Leu Asp Val Pro Ser Thr

166 20 25

169 <210> SEQ ID NO: 8

170 <211> LENGTH: 274

171 <212> TYPE: PRT

172 <213> ORGANISM: Human

174 <220> FEATURE:

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Input Set : A:\2005-04-25 1422-0644PUS1.ST25.txt

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175 <223> OTHER INFORMATION: fibronectin fragment named C-274

177 <400> SEQUENCE: 8

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178 Pro Thr Asp Leu Arg Phe Thr Asn Ile Gly Pro Asp Thr Met Arg
179 1 5 10 15
180 Val Thr Trp Ala Pro Pro Pro Ser Ile Asp Leu Thr Asn Phe Leu
181 20 25 30
182 Val Arg Tyr Ser Pro Val Lys Asn Glu Glu Asp Val Ala Glu Leu
183 35 40 45
184 Ser Ile Ser Pro Ser Asp Asn Ala Val Val Leu Thr Asn Leu Leu
185 50 55 60
186 Pro Gly Thr Glu Tyr Val Val Ser Val Ser Ser Val Tyr Glu Gln
187 65 70 75
188 His Glu Ser Thr Pro Leu Arg Gly Arg Gln Lys Thr Gly Leu Asp
189 80 85 90
190 Ser Pro Thr Gly Ile Asp Phe Ser Asp Ile Thr Ala Asn Ser Phe
191 95 100 105
192 Thr Val His Trp Ile Ala Pro Arg Ala Thr Ile Thr Gly Tyr Arg
193 110 115 120
194 Ile Arg His His Pro Glu His Phe Ser Gly Arg Pro Arg Glu Asp
195 125 130 135
196 Arg Val Pro His Ser Arg Asn Ser Ile Thr Leu Thr Asn Leu Thr
197 140 145 150
198 Pro Gly Thr Glu Tyr Val Val Ser Ile Val Ala Leu Asn Gly Arg
199 155 160 165
200 Glu Glu Ser Pro Leu Leu Ile Gly Gln Gln Ser Thr Val Ser Asp
201 170 175 180
202 Val Pro Arg Asp Leu Glu Val Val Ala Ala Thr Pro Thr Ser Leu
203 185 190 195
204 Leu Ile Ser Trp Asp Ala Pro Ala Val Thr Val Arg Tyr Tyr Arg
205 200 205 210
206 Ile Thr Tyr Gly Glu Thr Gly Gly Asn Ser Pro Val Gln Glu Phe
207 215 220 225
208 Thr Val Pro Gly Ser Lys Ser Thr Ala Thr Ile Ser Gly Leu Lys
209 230 235 240
210 Pro Gly Val Asp Tyr Thr Ile Thr Val Tyr Ala Val Thr Gly Arg
211 245 250 255
212 Gly Asp Ser Pro Ala Ser Ser Lys Pro Ile Ser Ile Asn Tyr Arg
213 260 265 270

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214 Thr Glu Ile Asp

217 <210> SEQ ID NO: 9

218 <211> LENGTH: 271

219 <212> TYPE: PRT

220 <213> ORGANISM: Human

222 <220> FEATURE:

223 <223> OTHER INFORMATION: fibronectin fragment named H-271

225 <400> SEQUENCE: 9

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226 Ala Ile Pro Ala Pro Thr Asp Leu Lys Phe Thr Gln Val Thr Pro
227 1 5 10 15
228 Thr Ser Leu Ser Ala Gln Trp Thr Pro Pro Asn Val Gln Leu Thr

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229          20          25          30
230 Gly Tyr Arg Val Arg Val Thr Pro Lys Glu Lys Thr Gly Pro Met
231          35          40          45
232 Lys Glu Ile Asn Leu Ala Pro Asp Ser Ser Val Val Val Ser
233          50          55          60
234 Gly Leu Met Val Ala Thr Lys Tyr Glu Val Ser Val Tyr Ala Leu
235          65          70          75
236 Lys Asp Thr Leu Thr Ser Arg Pro Ala Gln Gly Val Val Thr Thr
237          80          85          90
238 Leu Glu Asn Val Ser Pro Pro Arg Arg Ala Arg Val Thr Asp Ala
239          95         100         105
240 Thr Glu Thr Thr Ile Thr Ile Ser Trp Arg Thr Lys Thr Glu Thr
241         110         115         120
242 Ile Thr Gly Phe Gln Val Asp Ala Val Pro Ala Asn Gly Gln Thr
243         125         130         135
244 Pro Ile Gln Arg Thr Ile Lys Pro Asp Val Arg Ser Tyr Thr Ile
245         140         145         150
246 Thr Gly Leu Gln Pro Gly Thr Asp Tyr Lys Ile Tyr Leu Tyr Thr
247         155         160         165
248 Leu Asn Asp Asn Ala Arg Ser Ser Pro Val Val Ile Asp Ala Ser
249         170         175         180
250 Thr Ala Ile Asp Ala Pro Ser Asn Leu Arg Phe Leu Ala Thr Thr
251         185         190         195
252 Pro Asn Ser Leu Leu Val Ser Trp Gln Pro Pro Arg Ala Arg Ile
253         200         205         210
254 Thr Gly Tyr Ile Ile Lys Tyr Glu Lys Pro Gly Ser Pro Pro Arg
255         215         220         225
256 Glu Val Val Pro Arg Pro Arg Pro Gly Val Thr Glu Ala Thr Ile
257         230         235         240
258 Thr Gly Leu Glu Pro Gly Thr Glu Tyr Thr Ile Tyr Val Ile Ala
259         245         250         255
260 Leu Lys Asn Asn Gln Lys Ser Glu Pro Leu Ile Gly Arg Lys Lys
261         260         265         270
262 Thr
265 <210> SEQ ID NO: 10
266 <211> LENGTH: 296
267 <212> TYPE: PRT
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: fibronectin fragment named H-296
273 <400> SEQUENCE: 10
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275   1           5           10           15
276 Thr Ser Leu Ser Ala Gln Trp Thr Pro Pro Asn Val Gln Leu Thr
277           20           25           30
278 Gly Tyr Arg Val Arg Val Thr Pro Lys Glu Lys Thr Gly Pro Met
279           35           40           45
280 Lys Glu Ile Asn Leu Ala Pro Asp Ser Ser Ser Val Val Val Ser
281           50           55           60

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VERIFICATION SUMMARY

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